

### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form	: Article												
Product name	: VSH Kuterlite												
47028K	61074K	61961K	67020	43025K	43126K	43273K	43491K	43720	43770	61056K	43489K	61508K	43712
47029K	61078K	61213K	67043	43028K	43127K	43275K	43493K	43721	43771	61062K	43713	61509K	43806
47121K	61071K	61214K	67044	43029K	43128K	43276K	43494K	43722	43772	61063K	43714	61701K	43807
47237K	61929K	61215K	67045	43031K	47122K	43277K	43495K	43723	43829	61925K	43715	72001K	43809
47287K	61932K	61965K	67026	43033K	61946K	43236K	43496K	43724	43830	61930K	43716	72058K	43810
74080K	72060K	41234K	67027	43035K	47123K	43237K	43500K	43812	43774	61931K	43717	72059K	43811
74081K	41081K	41235K	67028	43037K	43177K	43239K	74697K	43813	43775	61073K	43718	67347	43758
74082K	41082K	41236K	67049	43021K	43185K	43241K	74700K	43814	43777	61958K	43719	67348	43759
74083K	41084K	61241K	67050	43022K	43186K	43242K	74703K	43728	43832	61200K	43828	22352	43760
74084K	61093K	61254K	67051	43023K	43187K	43243K	43531K	43729	43833	61201K	43764	22353	43761
74085K	61094K	61968K	67070	47016K	43188K	43244K	43533K	43730	43778	61203K	43765	22354	43762
74086K	61095K	61975K	67078	43074K	43152K	47238K	43534K	43731	43779	61204K	43766	22357	43826
74087K	61938K	61976K	67079	43075K	43153K	43321K	43535K	43732	43831	61205K	43767	22359	43827
73105	61939K	61977K	67080	43004K	43154K	43311K	43536K	43733	43780	61960K	43768	22360	43763
73106	61940K	61275K	67101	43005K	43155K	43329K	74003K	43734	43782	67350	43769	43086K	43001K
73107	61941K	61289K	67102	43006K	43157K	43347K	74004K	43735	43783	67351	43122K	43087K	43002K
73108	61097K	61290K	67103	43008K	43158K	43349K	74005K	43736	43784	67352	43124K	43089K	43003K
73109	61098K	61971K	67117	43009K	43159K	43356K	74007K	43816	43798	67004	43238K	43090K	43055K
68033	61099K	61320K	67118	43010K	43161K	43357K	74009K	43817	43799	67005	43240K	43091K	43059K
62544K	61106K	61322K	67119	43011K	43162K	43384K	74012K	43818	43800	67006	43346K	43093K	43060K
62547K	41118K	61349K	67134	43069K	43163K	43386K	74013K	43740	43801	67017	43490K	43094K	43088K
61007K	41119K	61979K	67135	43070K	43164K	43387K	74015K	43741	61017K	22361	43492K	43095K	43092K
41013K	41120K	61980K	67136	43071K	43213K	43388K	74016K	43742	61019K	22363	41045K	43256K	43302K
41014K	61125K	61356K	67150	43077K	43215K	43369K	74017K	43743	61055K	22364	41046K	43257K	47301K
41015K	61131K	61981K	67151	43078K	47213K	43370K	74018K	43744	61059K	43015K	41047K	43258K	43464K
41025K	61138K	61398K	67168	43079K	61966K	43372K	74019K	43819	61060K	43016K	41048K	43259K	43465K
41026K	61139K	44011	67169	43051K	43197K	43373K	74020K	43820	61069K	43018K	41049K	43260K	43466K
61020K	61140K	44012	67170	43052K	43198K	43374K	74021K	43821	61070K	43020K	41050K	43261K	43477K
61022K	61134K	44013	67181	43053K	43199K	43376K	74022K	43746	61072K	43098K	61048K	43262K	43478K
61029K	61135K	41431K	67184	43054K	43200K	43426K	74023K	43747	61088K	43099K	61053K	43264K	43479K
61030K	61942K	41432K	67209	43056K	43201K	43429K	74024K	43749	61092K	43100K	61161K	43453K	
61031K	61943K	41433K	67250	43057K	43202K	43430K	74026K	43750	61122K	47085K	61955K	43455K	
61037K	61944K	61436K	67251	43058K	43203K	43431K	74027K	43751	61124K	43121K	61956K	43456K	
61038K	61945K	61475K	67252	43061K	43204K	43432K	74028K	43752	61238K	43123K	61176K	43457K	
61039K	61141K	61476K	67259	43062K	43205K	43433K	43701	43753	61240K	43125K	61185K	43459K	
61907K	61142K	41486K	67366	43064K	43207K	43434K	43702	43823	61346K	61969K	61186K	43460K	
61909K	61155K	41487K	67315	43065K	43206K	43435K	43703	43824	61490K	61970K	61187K	43461K	
61910K	61156K	41488K	67325	43066K	43252K	43436K	43704	43825	61492K	43289K	61188K	43463K	
61040K	61158K	61493K	67327	43067K	43253K	43437K	43705	43755	43017K	43293K	61988K	43710	
41044K	61159K	61987K	67328	43085K	43254K	61984K	43709	43757	43019K	43301K	61989K	43711	

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### 1.2. Other means of identification

Other means of identification : SCIP Number: 8959546f-c4a2-4234-89bb-61813ff739d7

### 1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Professional use  
Recommended use : Product for connecting copper, plastic, carbon and stainless steel pipes

### 1.4. Supplier's details

Aalberts integrated piping systems BV  
Oude Amersfoortseweg 99  
1212AA Hilversum - The Netherlands  
T +31 35 688 4211  
[quality@aalberts-ips.com](mailto:quality@aalberts-ips.com) - [www.aalberts-ips.eu](http://www.aalberts-ips.eu)

### 1.5. Emergency phone number

Country	Official advisory body	Address	Emergency number	Remark
Netherlands	Nationaal Vergiftigingen Informatie Centrum Universitair Medisch Centrum Utrecht, Het Nationaal Vergiftigingen Informatie Centrum (NVIC) informeert (dieren-)artsen, apothekers en andere professionele hulpverleners over de mogelijke gezondheidseffecten en behandelingsmogelijkheden bij vergiftigingen. Het NVIC is hiervoor dag en nacht bereikbaar, zowel telefonisch als via internet	Huispostnummer B.00.118 Postbus 85500 3508 GA Utrecht	+31 (0)88 755 8000	Only for the purpose of informing medical personnel in cases of acute intoxications

## SECTION 2: Hazard identification

### 2.1. Classification of the substance or mixture

#### Classification according to the United Nations GHS

Skin sensitisation, Category 1	H317
Carcinogenicity, Category 1A	H350
Reproductive toxicity, Category 1A	H360
Reproductive toxicity, Additional category, Effects on or via lactation	H362
Specific target organ toxicity — Repeated exposure, Category 1	H372
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects : Steel products are not considered as hazardous. However, individual customer processes such as welding, sawing, brazing, grinding, abrasive blasting, and machining may result in the formation of fumes, dust (combustible or otherwise), and/or particulate that may present the described hazards.

### 2.2. GHS Label elements, including precautionary statements

No labelling obligation.

### 2.3. Other hazards which do not result in classification

No additional information available.

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Comments	: CW617N or CW602N or CW603N		
Name	Product identifier	%	Classification according to the United Nations GHS
Copper	CAS-No.: 7440-50-8	50 – 70	Aquatic Acute 1, H400 (M=10)
Zinc	CAS-No.: 7440-66-6	< 50	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Lead	CAS-No.: 7439-92-1	1 – 5	Carc. 2, H351 Repr. 1A, H360 Lact., H362 STOT RE 1, H372
Nickel	CAS-No.: 7440-02-0	< 1	Aquatic Acute 1, H400 Skin Sens. 1, H317 Carc. 2, H351 STOT RE 1, H372
Arsenic	CAS-No.: 7440-38-2	0,01 – 0,25	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 3, H412 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Inhalation), H331 Carc. 1A, H350 Repr. 1A, H360 STOT RE 1, H372 Aquatic Acute 3, H402 Aquatic Chronic 1, H410

Full text of H-phrases: see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of necessary first-aid measures

First-aid measures after inhalation	: Not specifically applicable to the product (as is).
First-aid measures after skin contact	: Not applicable.
First-aid measures after eye contact	: Not applicable.
First-aid measures after ingestion	: Ingestion is not considered a potential route of exposure. Call a poison center or a doctor if you feel unwell.

#### 4.2. Most important symptoms/effects, acute and delayed

No additional information available.

#### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	: Not expected to be a fire/explosion hazard under normal conditions of use.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

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### 5.3. Special protective actions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Do not breathe dust/fume/gas/mist/vapours/spray. Only qualified personnel equipped with suitable protective equipment may intervene.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.  
Other information : Dispose of materials or solid residues at an authorized site.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact during pregnancy/while nursing. Wear personal protective equipment.  
Hygiene measures : Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Lead (7439-92-1)

##### EU - Binding Occupational Exposure Limit (BOEL)

Local name : Inorganic lead and its compounds  
BOEL TWA : 0,15 mg/m<sup>3</sup>  
Regulatory reference : COUNCIL DIRECTIVE 98/24/EC

##### EU - Biological Limit Value (BLV)

Local name : Lead and its inorganic compounds  
BLV : 30 µg/100ml Parameter: Pb  
Regulatory reference : SCOEL List of recommended health-based BLVs and BGVs

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : None under normal use  
Eye protection : Safety glasses

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- Skin and body protection : No special clothing/skin protection equipment is recommended under normal conditions of use
- Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

Personal protective equipment symbol(s)



### 8.4. Exposure limit values for the other components

No additional information available.

## SECTION 9: Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state	: Solid
Appearance	: metal
Colour	: Not available
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability (solid, gas)	: Not available
Explosive limits	: Not applicable
Lower explosive limit (LEL)	: Not applicable
Upper explosive limit (UEL)	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic (calculated value) (40 °C)	: Not applicable
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20 °C	: Not applicable
Solubility	: Not available
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle specific surface area	: Not available

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

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### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
<b>Nickel (7440-02-0)</b>	
LD50 oral rat	> 9000 mg/kg bodyweight
LC50 Inhalation - Rat	≥ 10,2 mg/l
<b>Zinc (7440-66-6)</b>	
LD50 oral rat	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	> 5410 mg/m <sup>3</sup>
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.
Reproductive toxicity	: May damage fertility or the unborn child. May cause harm to breast-fed children.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.
<b>Lead (7439-92-1)</b>	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
<b>Nickel (7440-02-0)</b>	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
<b>Arsenic (7440-38-2)</b>	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Classification procedure (Hazardous to the aquatic environment, short-term (acute))	: Calculation method
Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.
Classification procedure (Hazardous to the aquatic environment, long-term (chronic))	: Calculation method
<b>Lead (7439-92-1)</b>	
LC50 - Fish [1]	0,44 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static])
LC50 - Fish [2]	1,17 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 - Crustacea [1]	600 µg/l (Exposure time: 48 h - Species: water flea)

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### Nickel (7440-02-0)

LC50 - Fish [1] 15,3 mg/l (Oncorhynchus mykiss)  
EC50 - Crustacea [1] 87,5 µg/l (Ceriodaphnia dubia)  
NOEC chronic fish 0,124 mg/l

### Copper (7440-50-8)

LC50 - Fish [1] 0,0068 – 0,0156 mg/l (Exposure time: 96 h - Species: Pimephales promelas)  
LC50 - Fish [2] < 0,3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])  
EC50 - Crustacea [1] 0,03 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])  
EC50 72h - Algae [1] 0,0426 – 0,0535 mg/l (Species: Pseudokirchneriella subcapitata [static])  
EC50 96h - Algae [1] 0,031 – 0,054 mg/l (Species: Pseudokirchneriella subcapitata [static])

### Arsenic (7440-38-2)

LC50 - Fish [1] 12,6 mg/l (Pimephales promelas)

### Zinc (7440-66-6)

LC50 - Fish [1] 315 µg/l

## 12.2. Persistence and degradability

### VSH Kuterlite

Persistence and degradability No additional information available.

## 12.3. Bioaccumulative potential

### VSH Kuterlite

Bioaccumulative potential No additional information available.

## 12.4. Mobility in soil

### VSH Kuterlite

Mobility in soil No additional information available.

## 12.5. Other adverse effects

Ozone : Not classified  
Other adverse effects : No additional information available.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

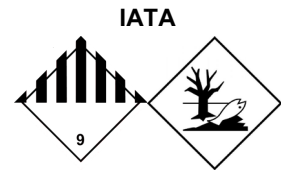
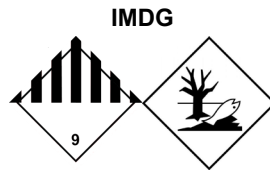
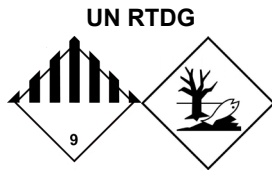
In accordance with UN RTDG / IMDG / IATA

UN RTDG	IMDG	IATA
<b>14.1. UN number</b> 3077	3077	3077
<b>14.2. UN Proper Shipping Name</b> ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS : Copper ; Zinc)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS : Copper ; Zinc)	Environmentally hazardous substance, solid, n.o.s. (CONTAINS : Copper ; Zinc)
<b>14.3. Transport hazard class(es)</b> 9	9	9

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### 14.4. Packing group

III

III

III

### 14.5. Environmental hazards

Dangerous for the environment : Yes

Dangerous for the environment : Yes

Dangerous for the environment : Yes

Marine pollutant : Yes

No supplementary information available.

### 14.6. Special precautions for user

#### UN RTDG

Special provisions (UN RTDG)	: 274, 331, 335, 375
Limited quantities (UN RTDG)	: 5 kg
Excepted quantities (UN RTDG)	: E1
Packing instruction (UN RTDG)	: P002, IBC08, LP02
Special packing provisions (UN RTDG)	: PP12, B3
Portable tank and bulk container special instructions (UN RTDG)	: T1, BK2, BK3
Portable tank and bulk container special provisions (UN RTDG)	: TP33

#### IMDG

Special provisions (IMDG)	: 274, 335, 966, 967, 969
Limited quantities (IMDG)	: 5 kg
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP02, P002
Special packing provisions (IMDG)	: PP12
IBC packing instructions (IMDG)	: IBC08
IBC special provisions (IMDG)	: B3
Tank instructions (IMDG)	: BK1, BK2, BK3, T1
Tank special provisions (IMDG)	: TP33
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG)	: A

#### IATA

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y956
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 956
PCA max net quantity (IATA)	: 400kg
CAO packing instructions (IATA)	: 956
CAO max net quantity (IATA)	: 400kg
Special provisions (IATA)	: A97, A158, A179, A197, A215
ERG code (IATA)	: 9L

### 14.7. Transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations specific for the product in question

No additional information available.



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### SECTION 16: Other information

Issue date : 22/06/2021

Other information : REACH Disclaimer:  
This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number). **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

#### Full text of H-statements:

H228	Flammable solid
H261	In contact with water releases flammable gases
H301	Toxic if swallowed
H317	May cause an allergic skin reaction
H331	Toxic if inhaled
H350	May cause cancer
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child
H362	May cause harm to breast-fed children
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet applicable for regions : NL - Netherlands

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